

What is Claimed:

1. A stereoscopic vision-use image providing method, when providing  
as data a plurality of two-dimensional images of different viewpoints, used as  
stereoscopic vision-use images, providing attached information composed of:  
5       viewpoint-number information allotted to each two-dimensional image  
data, or information for obtaining, by an arithmetic calculation on a receiver  
side, viewpoint-number information in each two-dimensional image area in  
image data; and  
      viewpoint-number information as information for selecting one or more  
10   two-dimensional images,  
      together with the two-dimensional image data.
2. A stereoscopic vision-use image providing method, when providing  
as data a plurality of two-dimensional images of different viewpoints, used as  
stereoscopic vision-use images, providing attached information composed of:  
15       viewpoint-number information allotted to each two-dimensional image  
data, or information for obtaining, by an arithmetic calculation on a receiver  
side, viewpoint-number information in each two-dimensional image area in  
image data;  
      viewpoint-number information as information for selecting two or  
20   more two-dimensional images; and  
      order-of-priority information indicating an order-of-priority of the  
selected viewpoint numbers,  
      together with the two-dimensional image data.
3. A stereoscopic vision-use image providing method,  
25   when providing as data a plurality of two-dimensional images of

different viewpoints, used as stereoscopic vision-use images, providing attached information composed of:

viewpoint-number information allotted to each two-dimensional image data, or information for obtaining, by an arithmetic calculation on a receiver  
5 side, viewpoint-number information in each two-dimensional image area in image data; and

information in which the viewpoint-number information as information for selecting two or more two-dimensional images is arranged in order of priority,  
10 together with the two-dimensional image data.

4. A stereoscopic vision-use image providing method,  
when providing as data a plurality of two-dimensional images of different viewpoints, used as stereoscopic images, providing attached information composed of:

15 viewpoint-number information allotted to each two-dimensional image data, or information for obtaining, by an arithmetic calculation on a receiver side, viewpoint-number information in each two-dimensional image area in image data;

viewpoint-number information as information for selecting one or more  
20 two-dimensional images; and

information for indicating whether or not the plurality of two-dimensional images are an endless series of two-dimensional images,  
together with the two-dimensional image data.

5. A stereoscopic vision-use image providing method according to any  
25 one of claims 1 to 4, providing

attached information composed of display-manner information indicating in what manner the two-dimensional image data selected by the information for selecting is to be displayed as a secondary image which is not a primary stereoscopic vision-use image,

5           together with the two-dimensional image data.

6. A stereoscopic vision-use image providing method according to any one of claims 1 to 5, providing

attached information composed of purpose-of-use information indicating for what purposes the two-dimensional image data selected by the  
10 information for selecting is to be used,

together with the two-dimensional image data.

7. A stereoscopic vision-use image providing method according to claim 6, wherein an alignment of bits and contents of purposes of use are corresponded, and in addition, "0", and "1" of each bit mean valid/invalid of  
15 each purpose of use.

8. A stereoscopic vision-use image providing method according to any one of claims 1 to 7, providing

attached information composed of information indicating what description formats are adopted as a description format of the information,  
20 together with the two-dimensional image data.

9. A stereoscopic vision-use image providing method according to any one of claims 1 to 8, wherein providing of information is performed by any one of broadcasting, communicating, or recording into a recording medium.

10. A stereoscopic image display apparatus for creating stereoscopic  
25 vision-use images based on a plurality of two-dimensional image data of

different viewpoints, comprising:

a means for obtaining, from attached information attached to the two-dimensional image data, viewpoint-number information of each two-dimensional image and viewpoint-number information as information for  
5 selecting the two-dimensional images; and

a means, in a case of executing a process in which it is needed to select one or a plurality of two-dimensional image data, which is not a primary stereoscopic vision-use image process, for selecting the two-dimensional image data specified by the viewpoint-number information as information for  
10 selecting the two-dimensional images.

11. A stereoscopic image display apparatus for creating stereoscopic vision-use images based on a plurality of two-dimensional image data of different viewpoints, comprising:

a means for obtaining, from attached information attached to the  
15 two-dimensional image data, viewpoint-number information of each two-dimensional image and viewpoint-number information as information for selecting two or more two-dimensional images; and

a means, in a case of executing a process in which it is needed to select the certain number of two-dimensional image data, which is not a primary  
20 stereoscopic vision-use image process, for selecting the certain number of two-dimensional image data according to an order of alignment of the viewpoint-number information as information for selecting the two-dimensional images.

12. A stereoscopic image display apparatus for creating stereoscopic  
25 vision-use images based on a plurality of two-dimensional image data of

different viewpoints, comprising:

a means for obtaining from attached information attached to the two-dimensional image data, viewpoint-number information of each two-dimensional image, viewpoint-number information as information for  
5 selecting two or more two-dimensional images, and order-of-priority information indicating an order-of-priority of the selected viewpoint numbers; and

a means, in a case of executing a process in which it is needed to select the certain number of two-dimensional image data, which is not a primary  
10 stereoscopic vision-use image process, for selecting the two-dimensional image data of the certain numbers based on the viewpoint-number information as information for selecting the two-dimensional images and the order-of-priority information.

13. A stereoscopic image display apparatus for creating stereoscopic  
15 vision-use images based on a plurality of two-dimensional image data of different viewpoints, comprising:

a means for obtaining from attached information attached to the two-dimensional image data viewpoint-number information of each two-dimensional image, viewpoint-number information as information for  
20 selecting the two-dimensional images, and display-manner information indicating in what manner the two dimensional image data selected by the information for selecting is to be displayed as a secondary image which is not a primary stereoscopic vision-use image;

a means, in a case of executing a process in which it is needed to select  
25 one or a plurality of two-dimensional image data, which is not a primary

stereoscopic vision-use image process, for selecting the two-dimensional image data specified by the viewpoint-number information as information for selecting the two-dimensional images; and

5 a means for performing an image display according to the display manner based on the selected two-dimensional image data and the display manner information.

14. A stereoscopic image display apparatus according to any one of claims 10 to 13, wherein the process which is not a primary stereoscopic vision-use image process is a process for displaying on a screen one or a  
10 plurality of two-dimensional image data by applying thereto a reduction-in-size process in order to show contents of the plurality of two-dimensional image data of different viewpoints.

15. A stereoscopic image display apparatus according to any one of claims 10 to 13, wherein the process which is not a primary stereoscopic  
15 vision-use image process is a process for selecting, out of a plurality of two-dimensional image data of different viewpoints, one or a plurality of the two-dimensional image data for use of at least one of a print-out and an image delivery.

16. A stereoscopic image display apparatus for creating stereoscopic  
20 vision-use images based on a plurality of two-dimensional image data of different viewpoints, comprising:

a means for obtaining from attached information attached to the two-dimensional image data viewpoint-number information of each two-dimensional image, viewpoint-number information as information for  
25 selecting the two-dimensional images, and purpose-of-use information

indicating for what purposes the two-dimensional image data selected by the information for selecting is to be used; and

a means, in a case of executing a process corresponding to the purpose of use, for selecting the two-dimensional image data specified by the  
5 viewpoint-number information as information for selecting the two-dimensional images.

17. A stereoscopic image display apparatus for creating stereoscopic vision-use images based on a plurality of two-dimensional image data of different viewpoints, comprising:

10 a means for obtaining, from attached information attached to the two-dimensional image data, viewpoint-number information of each two-dimensional image, and viewpoint-number information as information for selecting two or more two-dimensional images; and

a means, in a case of selecting the certain number of two-dimensional  
15 image data less than the numbers of said plurality of two-dimensional image data in a primary stereoscopic vision-use image process, for selecting the certain number of two-dimensional image data based on the viewpoint-number information as information for selecting the two-dimensional images.

20 18. A stereoscopic image display apparatus according to claim 17, wherein a stereoscopic vision-use image process is performed in such a manner that, out of the certain number of selected two-dimensional images, the two-dimensional image having the viewpoint-number information coincident with the viewpoint-number information as information for  
25 selecting the two-dimensional images is placed at a center of the plurality of

two-dimensional images.

19. A stereoscopic image display apparatus according to claim 17 or 18, comprising a means for obtaining, from the attached information, information indicating whether or not the plurality of two-dimensional images are an  
5 endless series of images, wherein,

when obtaining the information indicating that the plurality of two-dimensional images are the endless series of images, a first two-dimensional image and a last two-dimensional image in the plurality of two-dimensional images are allowed to exist in the selected two-dimensional  
10 images of certain numbers.

20. A stereoscopic image display apparatus according to claim 17 or 18, comprising a means for obtaining, from the attached information, information indicating whether or not the plurality of two-dimensional images are not an endless series of images, wherein,

15 when obtaining the information indicating that the plurality of two-dimensional images are not the endless series of images, in a case that a first two-dimensional image and a last two-dimensional image in the plurality of two-dimensional images exist in the selected two-dimensional image of predetermined numbers, the selected image is shifted so that the first  
20 two-dimensional image or the last two-dimensional image are eliminated so as to newly select one or more two-dimensional images.

21. A stereoscopic image display apparatus according to any one of claims 10 to 20, comprising a means for obtaining, from the attached information, information indicating what description formats as a description  
25 format of the information is adopted, wherein,



in a case of being capable of obtaining the information, a content of the attached information is recognized based on the description format indicated in the information.